ABSTRACT

The publication, Collection and Field Mensuration Techniques for Ground Photographs, presents techniques for collecting ground photographs from which metrical information (object dimensions and angles) can be extracted. It also provides detailed graphical procedures for obtaining such data from photographs in a field environment. The book serves as a training field operations manual for the photographer or analyst and teaches him to accomplish assigned tasks with a minimum of technical knowledge and equipment. The text and illustrations are organized to emphasize details of performance, employing primarily cultural perspective imagery.

The publication is divided into two parts. Part I, "Collection of Ground Photographs for Metrical Data", presents principles of approach and basic details of execution in the collection effort. Correlation of photography with object control and camera data is highlighted. Embodied in the text are programmed exercises in which the photographer is asked to use his personal camera to capture perspective information similar to printed example photographs.

The illustrations are an important part of the presentation. Many are printed in color and present principles and details ranging from photo geometry through ground control and photo data correlation. Color coding is applied to the illustrations, and each specific geometric principle is consistently printed in the same color.

Part II, "Field Determination of Metrical Data from Ground Photographs", is composed of a variety of mensuration solutions for use in the field with a few simple drafting tools. These solutions are graphical and are presented as step-by-step procedures with sample photographs and overprint graphics. For data discrimination, many of the overprints are in color, and the corresponding text is color keyed to the graphic overprint.

This book also contains four appendixes, a glossary, and a list of appropriate symbols.

This material fills a need and will be of value to both the novice and the professional field photographer.

Approved For Release 2002/06/17 : CIA-RDP78B04747A000600070009-0